

ABSTRACT OF THE DISCLOSURE

In accordance with the present invention, a material for use in a thermal protection system contains a silicone resin binder, a silicone catalyst, ground cork, glass ecospheres, and a silicone solvent. In a preferred embodiment, the material consists of from 65.3 wt% to 72.3 wt% silicone resin, from 6.5 wt% to 7.25 wt% silicone catalyst, from 7.22 wt% to 7.98 wt% ground cork, from 8.36 wt% to 9.24 wt% glass ecospheres, and the balance silicone solvent. .